

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Claims 1-59 canceled.

60. (Previously Presented) A device for use in a catheter-based annuloplasty procedure on a heart valve, the device comprising:

a plurality of non-plicating fasteners configured to be individually fixed to tissue adjacent the annulus of the heart valve at spaced locations without plicating the tissue at the spaced locations;

at least one catheter having a lumen capable of delivering and inserting the plurality of non-plicating fasteners into the tissue adjacent the annulus;

an elongate tensioning element coupled with the plurality of non-plicating fasteners and configured to be tensioned by pulling on only one end thereof to place the plurality of non-plicating fasteners in an activated state positioned closer together to plicate the tissue between the fasteners; and

a locking feature operative to fix the plurality of non-plicating fasteners in the activated state.

61. (Previously Presented) The device of claim 60, wherein the tension placed on the tensioning element is continuously adjustable.

62. (Previously Presented) The device of claim 60, further comprising a guide wire received in the catheter, said guide wire having an anchoring tip capable of being fixed to the tissue adjacent the annulus to maintain a position within the left ventricle.
63. (Previously Presented) The device of claim 60, wherein the locking feature forms a part of the tensioning element.
64. (Previously Presented) The device of claim 63, wherein the locking feature is formed by tying off the tensioning element.
65. (Previously Presented) The device of claim 60, wherein a distal tip of the catheter is steerable.
66. (Previously Presented) The device of claim 60, further comprising an expandable member deliverable through a catheter and capable of being expanded against the tissue adjacent the annulus during insertion of the plurality of non-plicating fasteners.
67. (Previously Presented) The device of claim 60, wherein said at least one catheter further comprises a delivery catheter configured to deliver and insert the plurality of non-plicating fasteners.
68. Canceled.

69. (Previously Presented) The device of claim 60, wherein the non-plicating fasteners further comprise T-bars.

70. Canceled.